

IN THE CLAIMS

Please cancel Claims 8 and 9, without prejudice or disclaimer of subject matter.

Please amend Claims 1-5, 7 and 10-12 to read as follows.

1. (Currently Amended) A method for manufacturing an ink jet recording head ~~having comprising~~ an exothermic resistor, an ink orifice provided in correspondence to ~~said the~~ exothermic resistor, and a nozzle channel communicating with ~~said the~~ ink orifice, with a movable member formed in ~~said the~~ nozzle channel ~~somewhere~~ between ~~said the~~ exothermic resistor and an ink inlet for supplying ink into ~~said the~~ nozzle channel in such a configuration that a bubble generated in the ink in ~~said the~~ nozzle channel by heat generated by ~~said the~~ exothermic resistor is utilized to discharge the ink from ~~said the~~ ink orifice, ~~said method comprising the step steps of:~~

preparing a substrate provided with ~~said the~~ exothermic resistor;

applying ~~such a~~ first resin on ~~said the~~ substrate ~~so~~ as to provide a first mold shape for forming ~~said the~~ nozzle channel and ~~said the~~ movable member;

forming ~~said the~~ first mold shape using ~~said the~~ first resin;

applying, on ~~said the~~ substrate, ~~a~~ second resin over ~~said the~~ first mold shape for forming ~~said the~~ nozzle channel and ~~said the~~ movable member; and

removing ~~said the~~ first mold shape.

2. (Currently Amended) The method according to claim 1, wherein:

~~said wherein the~~ first resin is a ~~photo-resist; photo-resist~~, and

said step of forming ~~said the~~ first mold shape includes a step of using a mask pattern having a width not larger than a resolution limit of ~~said the~~ photo-resist to ~~thereby~~ form ~~said the~~ movable member ~~of said from the~~ first mold shape.

3. (Currently Amended) The method according to claim 1, wherein:

~~wherein~~ said step of applying ~~said the~~ first resin is preceded by a step of applying a third resin which provides a second mold shape used to form ~~said the~~ nozzle channel on ~~said substrate; the substrate~~, and

said step of applying ~~said the~~ first resin involves applying ~~said the~~ first resin on ~~said the~~ substrate in such a manner as to cover ~~said the~~ second mold shape.

4. (Currently Amended) The method according to claim 1, wherein said step of applying ~~said the~~ first resin is preceded by a ~~further~~ step of forming a projecting barrier at a ~~corresponding~~ position between ~~said the~~ movable member and ~~said the ink~~ inlet on ~~said the~~ substrate.

5. (Currently Amended) An ink jet recording head utilizing a bubble generated in ink in a nozzle channel when the ink is heated by an exothermic resistor, to discharge the ink from an ink orifice, comprising:

a substrate provided with said exothermic resistor; and

said nozzle channel formed on said ~~substrate~~, substrate; and

~~wherein~~ a movable member ~~is formed in said nozzle channel somewhere between~~
said exothermic resistor and an ink inlet for supplying the ink into said nozzle ~~orifice~~ channel,
said movable member being formed integrally with a wall of said nozzle channel opposed to said
substrate and having a supporting point thereof on ~~such a said wall of said nozzle channel so~~ as
to be opposed to said substrate and a free end thereof ~~on a surface of~~ extending into said nozzle
channel ~~on the side of said substrate and being formed integrally with said wall opposed to said~~
~~substrate toward said substrate.~~

wherein said movable member and said wall are formed of the same material.

6. (Original) The ink jet recording head according to claim 5, wherein said wall
and said movable member are made of resin.

7. (Currently Amended) The ink jet recording head according to claim 5,
further comprising a restricting section between said movable member in said nozzle channel and
said ink inlet, for restricting displacement of said movable member ~~from being displaced~~ toward
said ink inlet.

8. (Canceled)

9. (Canceled)

10. (Currently Amended) An ink jet recording head ~~having~~ comprising an exothermic resistor provided on a substrate, an ink orifice provided in correspondence to said exothermic resistor, and a nozzle channel communicating with said ink orifice, with a movable member formed in said nozzle channel ~~somewhere~~ between said exothermic resistor and an ink inlet for supplying ink into said nozzle channel in such a configuration that a bubble generated in the ink in said nozzle channel by heat generated by said exothermic resistor is utilized to discharge the ink from said ink orifice,

wherein said movable member is arranged perpendicularly to a surface of a ~~substrate provided with~~ said substrate, said exothermic resistor is provided on said substrate on ~~the~~ a side of said ~~nozzle channel and ink orifice~~, said movable member has a supporting point thereof on ~~such~~ a ~~surface wall~~ of said nozzle channel so as to be opposed to said substrate and a free end thereof ~~on a surface of extending into~~ said nozzle channel on the side of said substrate toward said substrate, and said movable member and said wall are formed of the same material.

11. (Currently Amended) The ink jet recording head according to claim 10, further comprising a restricting section between said movable member in said nozzle channel and said ink inlet, for restricting displacement of said movable member ~~from being displaced~~ toward said ink inlet.

12. (Currently Amended) The ink jet recording head according to claim 10, wherein, during operation of said ink jet recording head, a displacement of said movable member toward said ink inlet is smaller than a displacement thereof toward said ink orifice.